CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

NOTE: recorded in Microsoft word 6.0 - use tabs to change cells/fields

NOTE: recorded in Microsoft word 6.0 - us STATE FIELD OFF	
PRACTICE: 344 Residue Manager	
Seasonal	ment Notes.
RESOURCE: SOIL	Help Message: Click on form field for choice lists. Tab
RESOURCE CONCERN: EROSION	key to move around. "N/A" is the default.
RESOURCE INDICATORS	PHYSICAL EFFECTS
SHEET AND RILL	Slight to moderate decrease because of increase in surface
SHELT AND RILE	residue cover.
WIND	Slight to significant decrease depending on amount and
	height of cover during critical periods
EPHEMERAL GULLY	Negligible to slight decrease dependenton amount of
	residue on surface and period of time during year when residue is present.
CLASSIC GULLY	Negligible to slight decrease because of decreased runoff
CLABBIC GCLLI	during period that residue is present.
STREAMBANK	Negligible. Reduces overbank flows.
IRRIGATION INDUCED	Slight to significant decrease.
SOIL MASS MOVEMENT	Negligible to slight. Increase or decrease depending on
DO A DD ANIZ/CONCEDITORION	rooting depths.
ROADBANK/CONSTRUCTION OTHER	Negligible
RESOURCE CONCERN: SOIL CONDI	ITION
SOIL TILTH	Negligible to slight decrease because of increase in organic
SOIL COMPACTION	material, infiltration, and improved biological activities Negligible
SOIL CONTAMINATION	Negligible Negligible
• SALTS	Negligible
ORGANICS	Negligible
FERTILIZERS	Negligible
• PESTICIDES	Negligible
• OTHER	
DEPOSITION/DAMAGE	
• ONSITE	Slight to moderate decrease because of decreased runoff and sedimentation.
• OFFSITE	Slight decrease because of decreased runoff and sedimentation
DEPOSITION/SAFETY	
• ONSITE	Negligible to slight decrease because of decreased runoff and sedimentation.
• OFFSITE	Negligible to slight decrease because of decreased runoff and sedimentation.
OTHER	
RESOURCE: WATER	
RESOURCE CONCERN: WATER QUA	ANTITY
SEEPS	Negligible to slight increase becaused of increased infiltration.
RUNOFF/FLOODING	Slight decrease because off reduced runoff and increase infiltration.

EXCESS SUBSURFACE WATER	Negligible to slight increase becaused of increased infiltration.
INADEQUATE OUTLETS	Negligible
WATER MGT. IRRIGATION	
• SURFACE	Negligible
• SPRINKLER	Negligible
WATER MGT. NON-IRRIGATED	Slight decrease because of increased water holding capacity. Increases infiltration. May lower soil temperature and evapotranspiration. Slight decrease in efficiencies because of residue blockage in furrows.
RESTRICTED FLOW CAPACITY (H20 convey.)	
• ONSITE	Slight to moderate decrease because of increase in water holding capacity and increased infiltration in water deficient areas. May lower soil temperature.
• OFFSITE	Slight to moderate decrease because of decreased sediment load.
RESTRICTED STORAGE	Slight decreased because of decreased sediment load.
OTHER	

RESOURCE: WATER		
RESOURCE CONCERN: WATER QUALITY		
RESOURCE INDICATORS	PHYSICAL EFFECTS	
GROUNDWATER CONTAMINANTS		
• PESTICIDES	Slight decrease because of decreased sediment load	
NUTRIENTS AND ORGANICS	Negligible	
• SALINITY	Negligible	
HEAVY METALS	Negligible	
• PATHOGENS	Negligible	
• OTHER		
SURFACE WATER CONTAMINANTS	37 d. 94	
• PESTICIDES	Negligible	
NUTRIENTS AND ORGANICS	Negligible	
SUSPENDED SEDIMENTS	Negligible	
LOW DISSOLVED OXYGEN	Slight to moderate decrease because of decreased sediment yield of fine sediment	
• SALINITY	Slight decrease because of reduced sediment yields.	
HEAVY METALS	Negligible	
WATER TEMPERATURE	Negligible	
• PATHOGENS	Negligible to slight decrease because of reduced sediment in water.	
AQUATIC HABITAT SUITABILITY	Negligible	
OTHER		
RESOURCE: AIR		
RESOURCE CONCERN: AIR QUALI	ΓΥ	
AIRBORNE SEDIMENT AND SMOKE		
PARTICLES		
ONSITE SAFETY	Slight to significant decrease because of protective vegetative cover.	
OFFSITE SAFETY	Slight to moderate decrease because of protective vegetative cover.	
ONSITE STRUCT. PROBLEMS	Slight to moderate decrease because of reduce wind erosion.	
OFFSITE STRUCT. PROBLEMS	Slight to moderate decrease because of reduce wind erosion.	
ONSITE HEALTH	Slight to significant decrease because of reduce wind erosion.	
OFFSITE HEALTH	Slight to moderate decrease because of reduce wind erosion.	
AIRBORNE SEDIMENT CAUSING	Slight to moderate decrease because of reduce wind erosion.	
CONVEYANCE PROBLEMS	27 17 17	
AIRBORNE CHEMICAL DRIFT	Negligible	
AIRBORNE ODORS	N/A	
FUNGI, MOLDS, AND POLLEN	Negligible	
OTHER RESOURCE CONCERN: AIR CONDI	TION	
AIR TEMPERATURE	N/A	
AIR MOVEMENT (windbreak effect)	Negligible	
HUMIDITY	Slight to moderate change in microclimate	
OTHER	<i>C</i>	

RESOURCE: PLANT		
RESOURCE CONCERN: SUITABILITY		
RESOURCE INDICATORS	PHYSICAL EFFECTS	
SITE ADAPTATION	Slight decrease because of change in available moisture	
PLANT USE	N/A	
OTHER		
RESOURCE CONCERN: CONDITION		
PRODUCTIVITY	Slight to moderate decrease because of increased soil moisture	
HEALTH, VIGOR, SURVIVAL	Soil decrease because of increased infiltration	
OTHER		
RESOURCE CONCERN: MANAGEMI	ENT	
ESTAB., GROWTH, HARVEST	Soil decrease because of increased infiltration	
NUTRIENT MANAGEMENT	negligible	
PESTS	Slight increase because of improved pest habitat.	
THREAT/ENDANGERED PLANTS	N/A	
OTHER		
RESOURCE: ANIMAL		
RESOURCE CONCERN: HABITAT		
FOOD	Slight to significant decrease because increased crop residue.	
COVER/SHELTER	Slight to significant decrease because increased crop residue	
WATER (QUANTITY & QUALITY)	Slight improvement in water quality in ponds and streams.	
OTHER		
RESOURCE CONCERN: MANAGEME	ENT	
POPULATION BALANCE	Slight to moderate decrease because of increase in food, cover and quality and quantity of water	
THREAT/ENDANGERED ANIMALS	N/A	
HEALTH	Slight decrease because of overall improved general condition of	
111.1111	habitat.	
OTHER		
RESOURCE: HUMAN		
RESOURCE CONCERNS: ECONOMIC	C CONSIDERATIONS	
PLAN / COST EFFECTIVENESS	N/A	
CLIENT FINANCIAL CONDITION	N/A	
MARKETS FOR PRODUCTS	N/A	
AVAILABLE LABOR	N/A	
AVAILABLE EQUIPMENT	N/A	

RESOURCE: HUMAN	
RESOURCE CONCERN: SOCIAL CONSIDERATIONS	
RESOURCE INDICATORS	PHYSICAL EFFECTS
PUBLIC HEALTH AND SAFETY	Significant improvement
PRIVATE/PUBLIC VALUES	Moderate improvement in private/public values
CLIENT CHARACTERISTICS	insignificant
RISK TOLERANCE	N/A
TENURE	N/A
OTHER	
RESOURCE CONCERN: CULTURAL	CONSIDERATIONS
ABSENCE/PRESENCE OF CULTURAL RESOURCES	Slightly improved protection of cultural resources
SIGNIFICANCE OF CULTURAL RESOURCES	N/A
MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS	N/A
OTHER	
OTHER	
OTHER	